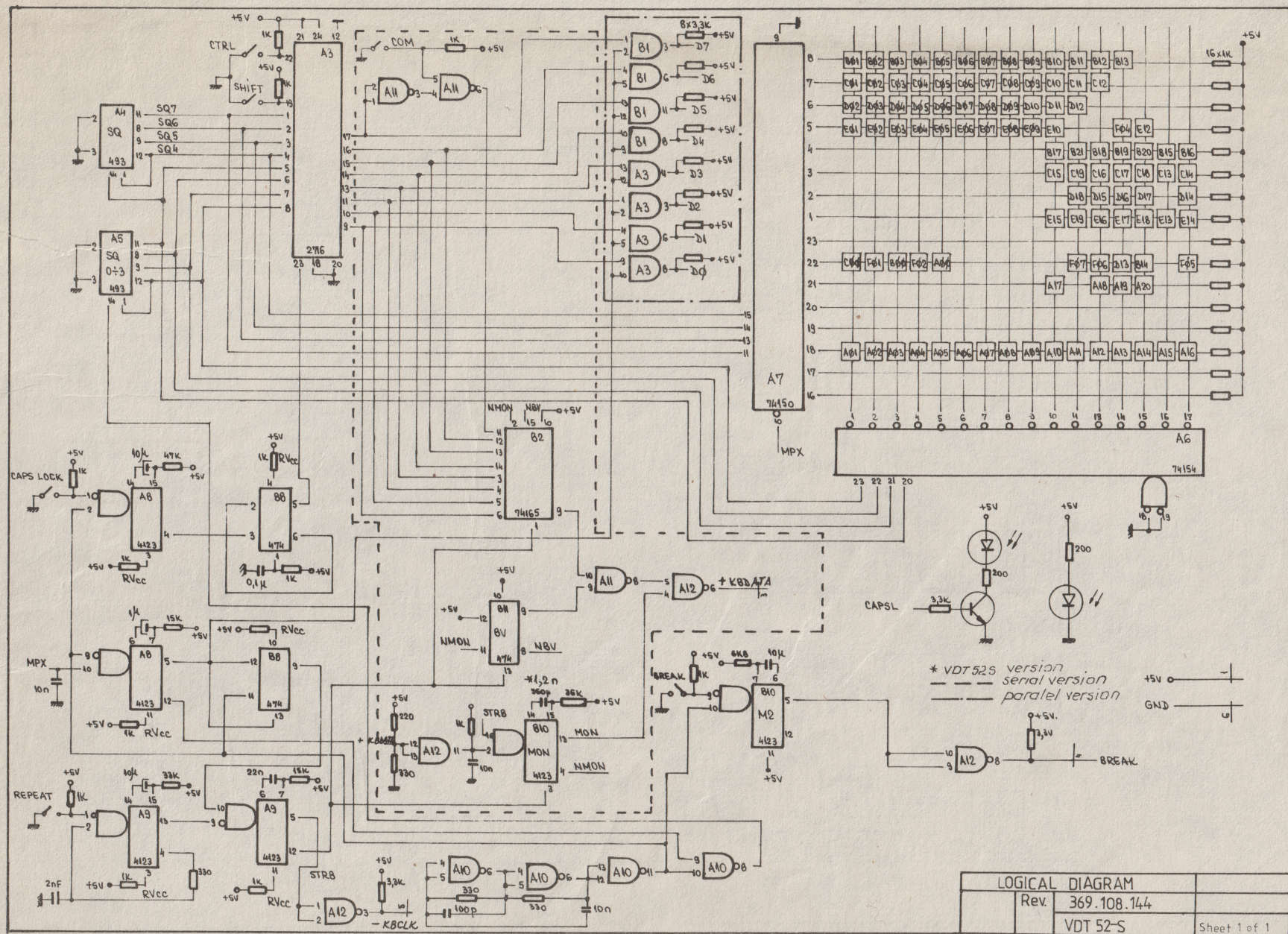
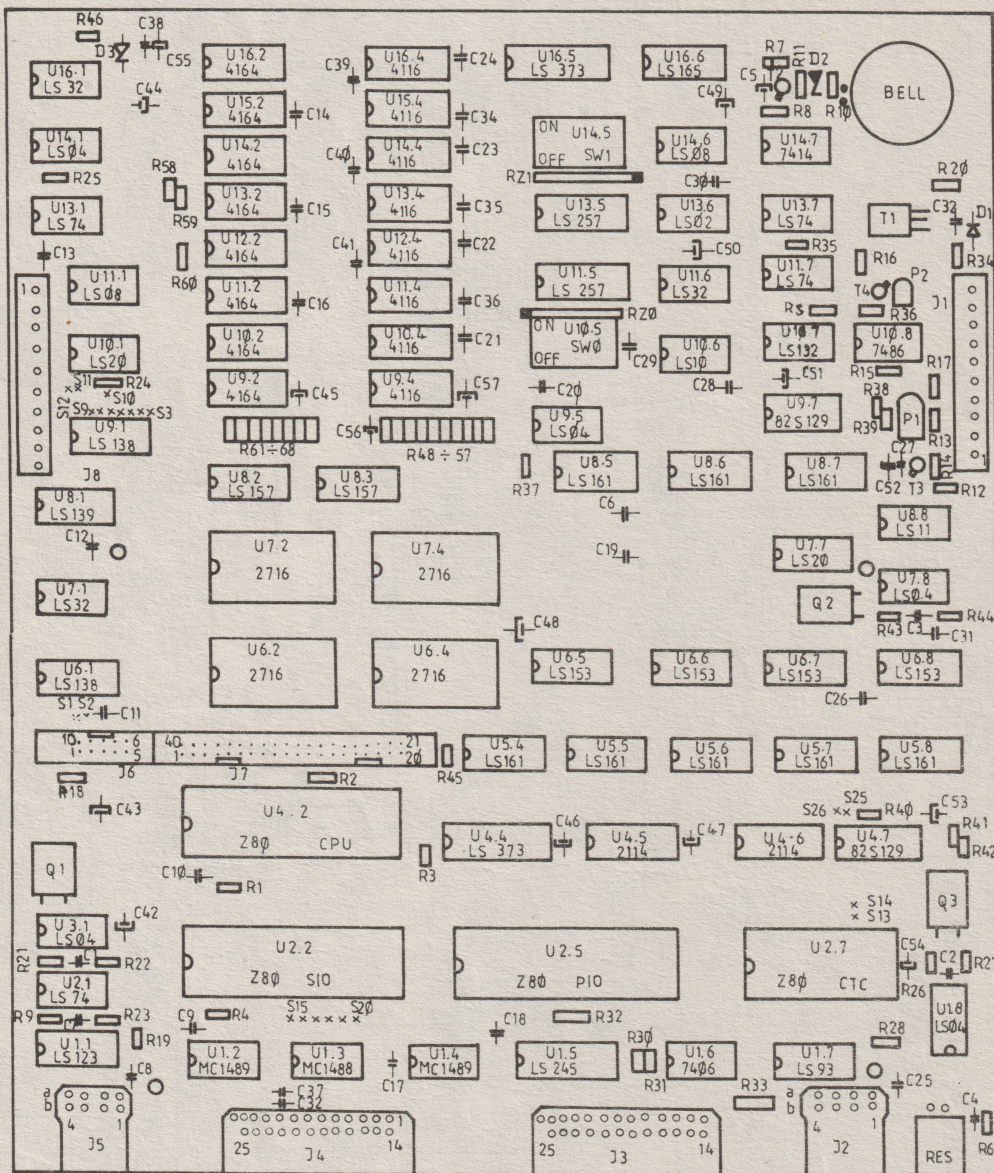


SET UP 80 STATUS 80	F 1 80 AC	F 2 81 A1	F 3 82 A2	F 4 83 A3	F 5 84 A4	F 6 85 A5	F 7 86 AC	F 8 87 A7	F 9 88 A8	F 10 89 A9	F 11 8A AA	F 12 8B AB	F 13 8C AC	F 14 8D AD	F 15 8E AE	F 16 8F AF	LINE 80 INSTR 80 CHAR 80	PAGE 81 ERASE C1 LINE 81	LINE 82 C2 CHAR 82	FEEDT 83 C3 MODE 83	BREAK
ESC 1B 1B 1B	/ 31 1 21 1 21	@ 32 2 22 2 22	# 33 3 23 3 23	\$ 34 4 24 4 24	% 35 5 25 5 25	^ 36 6 26 6 26	& 37 7 27 7 27	* 38 8 28 8 28	(39 9 29 9 29) 3A 0 2A 0 2A	- 3B 1F 2B 1F 2B	+ 3C 2D 2C 2D 2C	~ 3D 4E 2D 4E 2D	BACK 05 06 06	SPACE 08 08 08						
TAB 09 09 09	Q 11 51 71	W 12 52 72	E 13 53 73	R 14 54 74	T 15 55 75	Y 16 56 76	U 17 57 77	I 18 58 78	O 19 59 79	P 1A 5A 7A	[1B 5B 7B] 1C 5C 7C									
CTRL	CAPS LOCK	A 01 41 61	S 12 53 73	D 04 44 64	F 06 46 66	G 07 47 67	H 08 48 68	J 0A 4A 6A	K 0B 4B 6B	L 0C 4C 6C	:	" 27 3A 3A	RETURN								
SHIFT	Z 1A 5A 7A	X 1B 5B 7B	C 03 43 63	V 05 45 65	B 02 42 62	N 0E 4E 6E	M 0D 4D 6D	< 2C 3C 2C	> 2E 3E 2E	? 2F 3F 2F	SHIFT	1C 5C 7C									
LF 0A 0A 0A					SP					CTRL 00 CAPS 20 SHIFT 30 NORMAL 20	REP	DEL 7F 7F 7F									

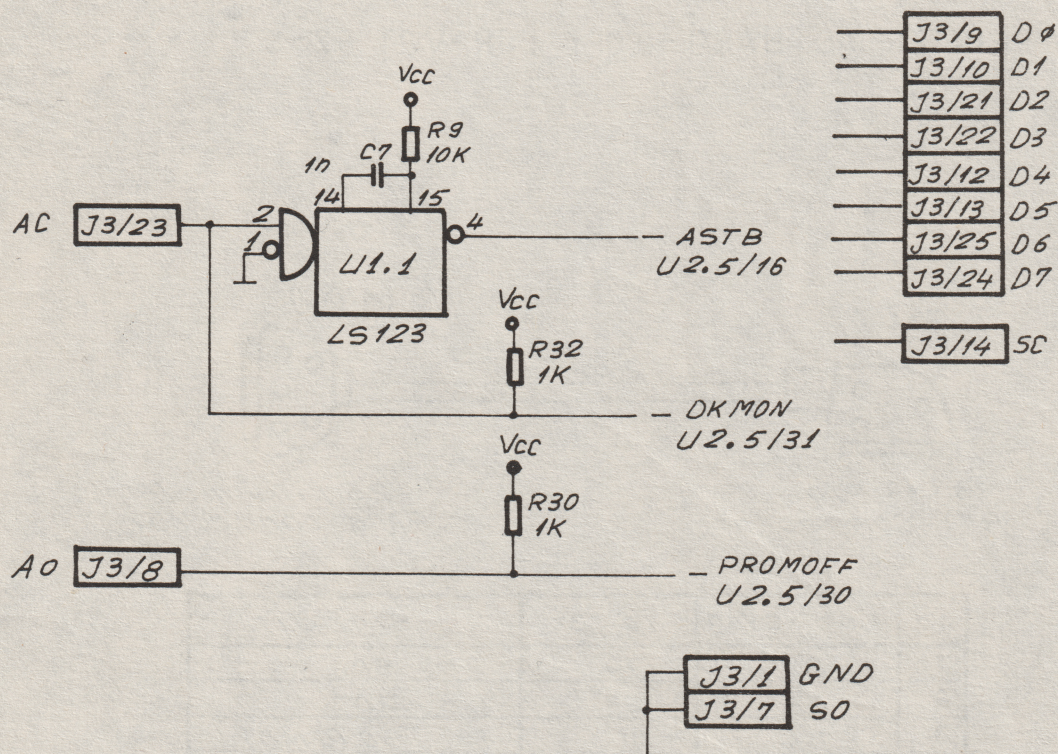
T1. KEYBOARD CONFIGURATION AND CODIFICATION





VDT52-S MAIN BOARD			URC 85.01
	Rev	MBZ LAYOUT	
			Sheet1 of 1

MODIFICATIONS FOR CONNECTING ROBOTRON 1157(IFSP)
PRINTER AS HARD-COPY FOR VDT 52-S



Interruptions:

- U2.5/30 wire (solder side)
- U2.5/16 wire (solder side)
- U1.1/2 wire (solder side)
- U1.1/1 wire (component side, under U1.1)
- U1.1/12 wire (component side, under U1.1)

BREAK jumper (U2.5/16 - U2.2/29)

Components added:

- U1.1 (LS123) and U1.5 (LS245)
- R9 (10K Ω , RPM 3050, 5%)
- C7 (1nF, MC 3223, 10%, 50V)

Jumpers:

- J3/8 - U2.5/30
- J3/23 - U2.5/31 - U1.1/2
- U1.1/1 - U1.1/8
- U1.1/4 - U2.5/16
- U9.1/6 - U10.1/2
- S21 - S22

VDT 52-S

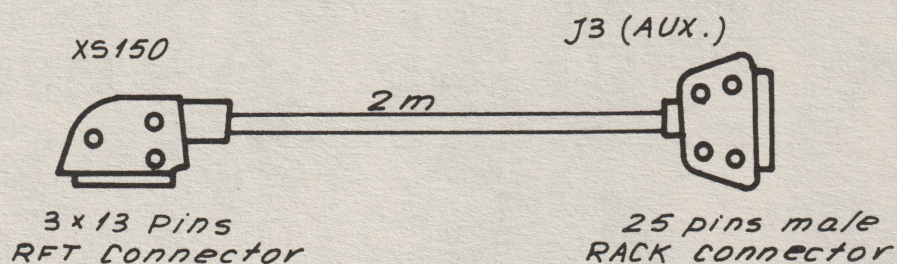
HARD-COPY

ROBOTRON 1157

Sheet 1 of 2

CABLE FOR CONNECTING ROBOTRON 1157 (IFSP)

PRINTER AS HARD-COPY FOR VDT 52-S



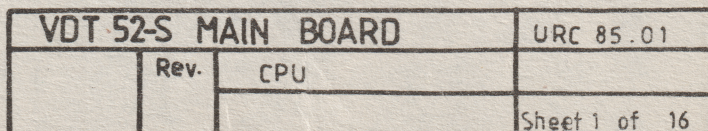
NO.	From XS150	To J3	Signal
1	B2	14	SC
2	B3	23	AC
3	B4	1	SO (GND)
4	B5	9	D0
5	B6	10	D1
6	B7	21	D2
7	B8	22	D3
8	B9	12	D4
9	B10	13	D5
10	B11	25	D6
11	B12	24	D7
12	B13	8	A0
13	A1	1	GND
14	C1	7	GND

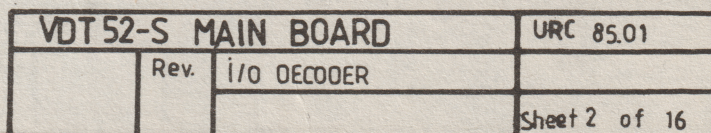
VDT 52-S

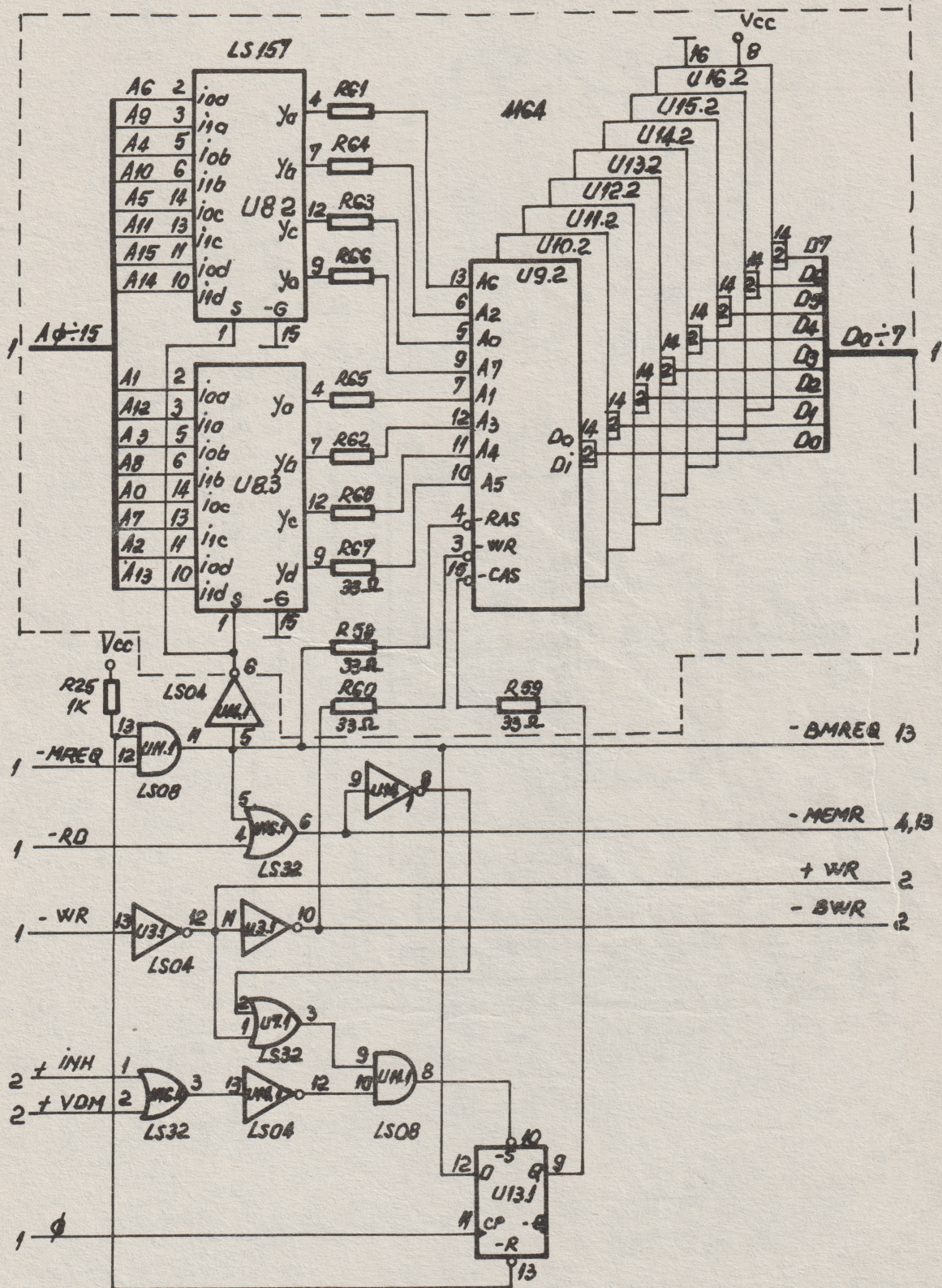
HARD-COPY

ROBOTRON 1157

Sheet 2 of 2







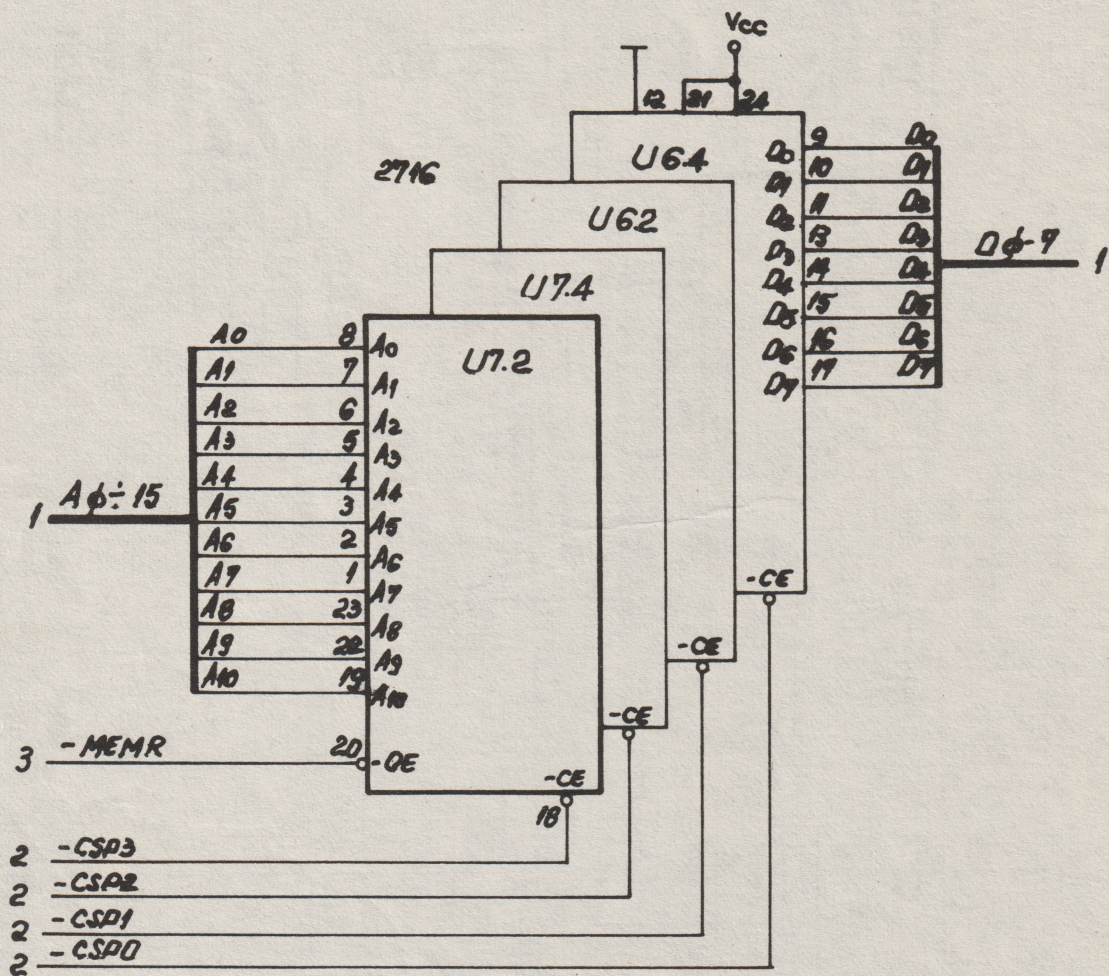
VDT 52-S MAIN BOARD

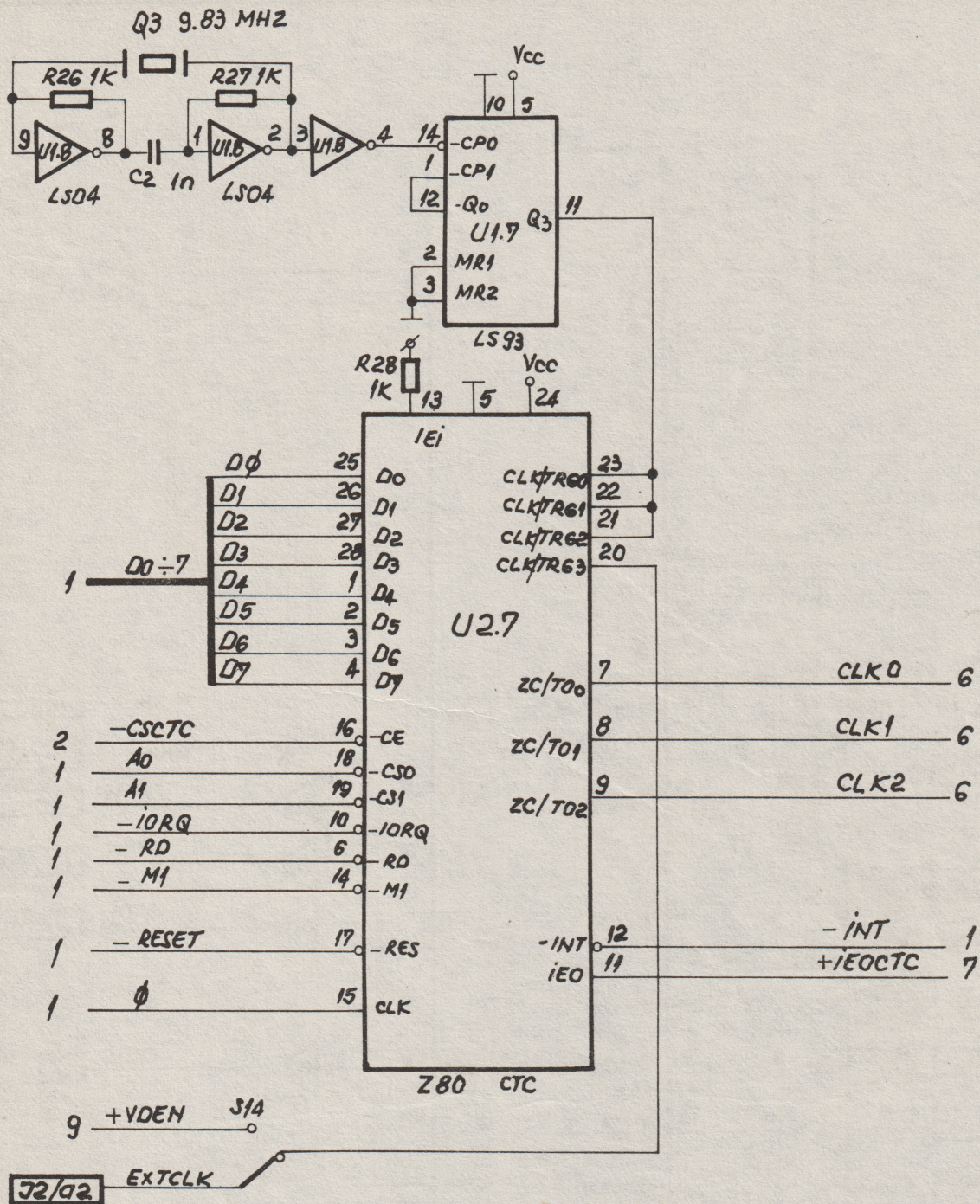
URC 85.01

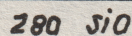
Rev

RAM

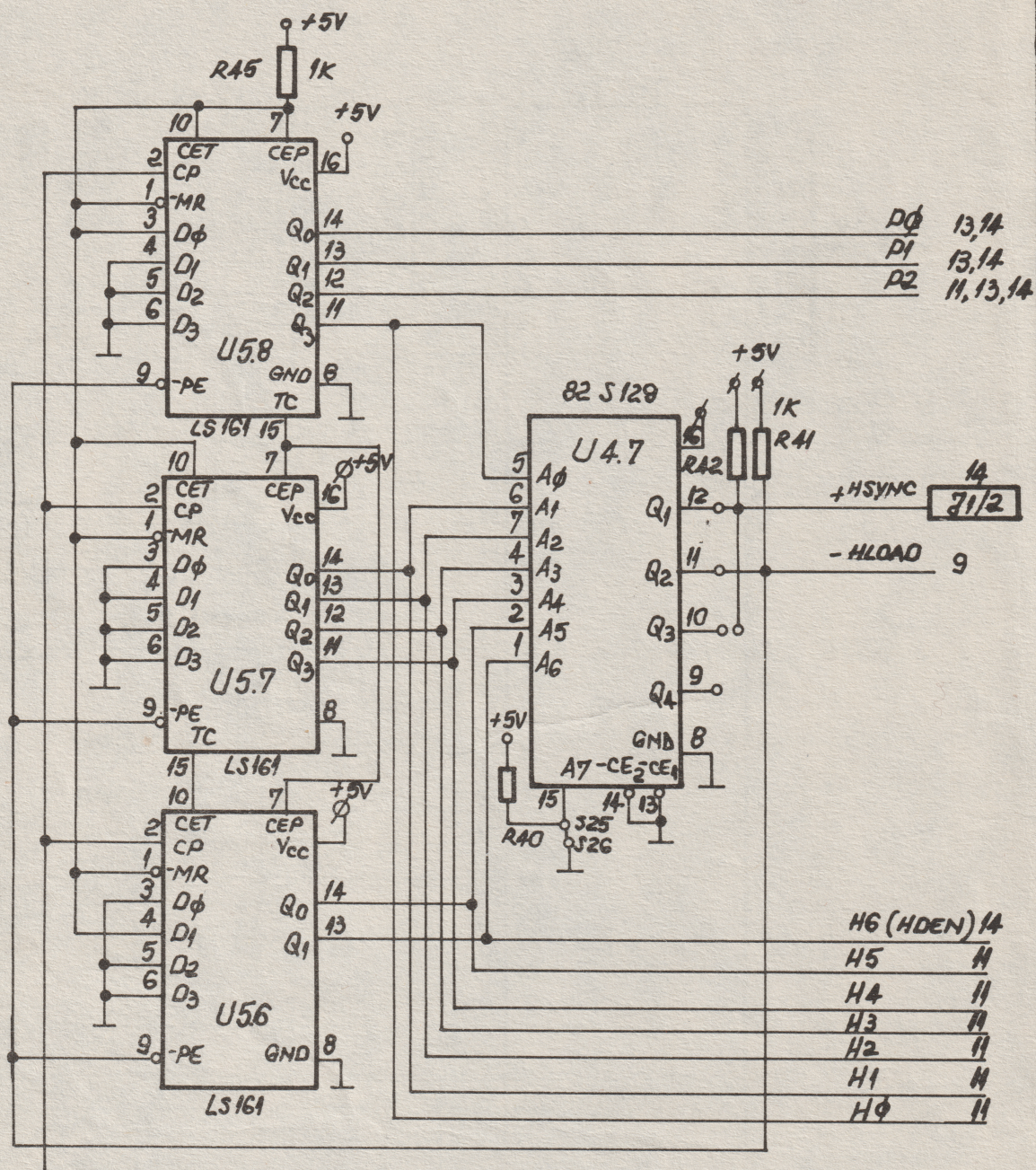
Sheet 3 of 16



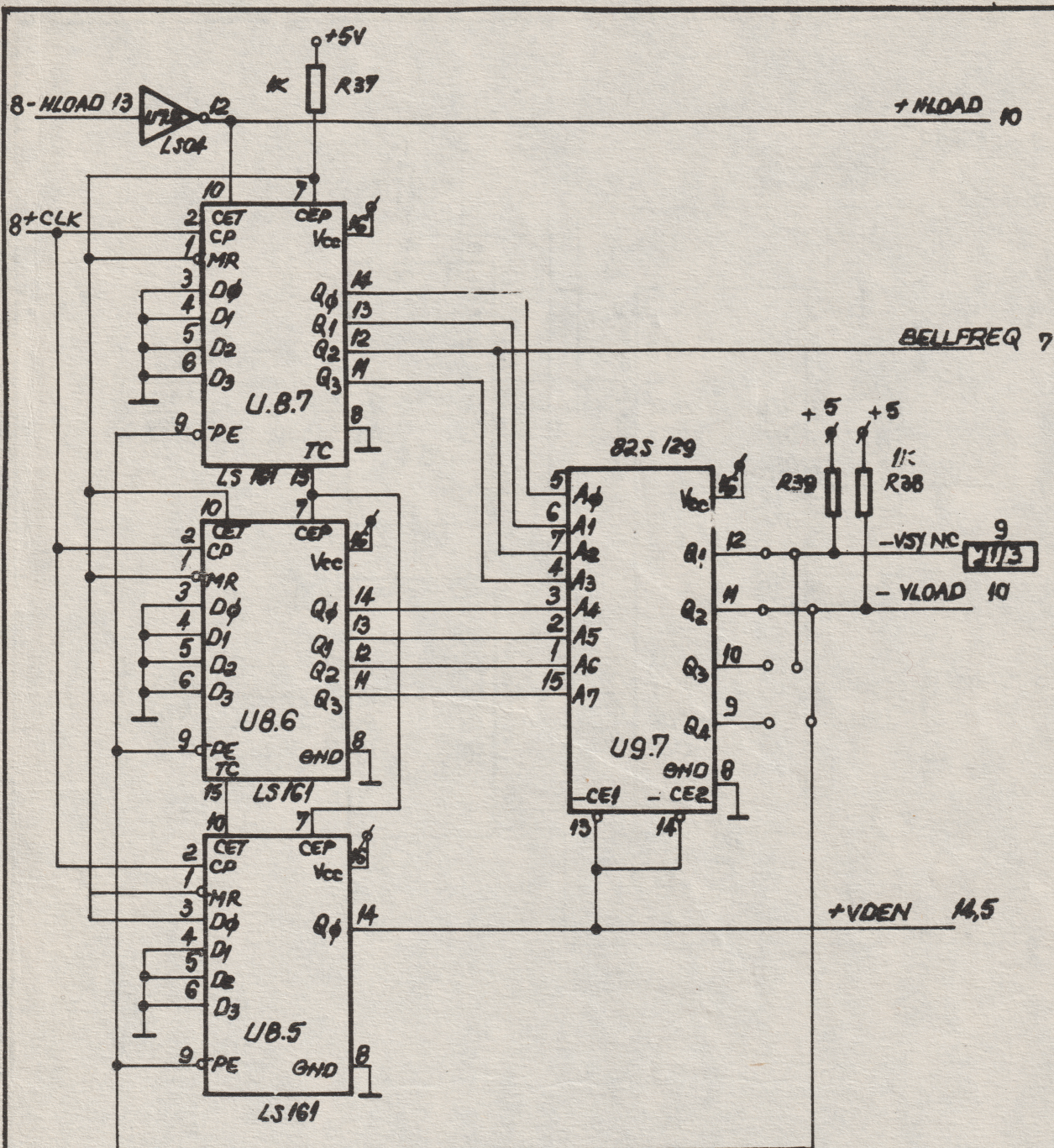




Sheet 6 of 16



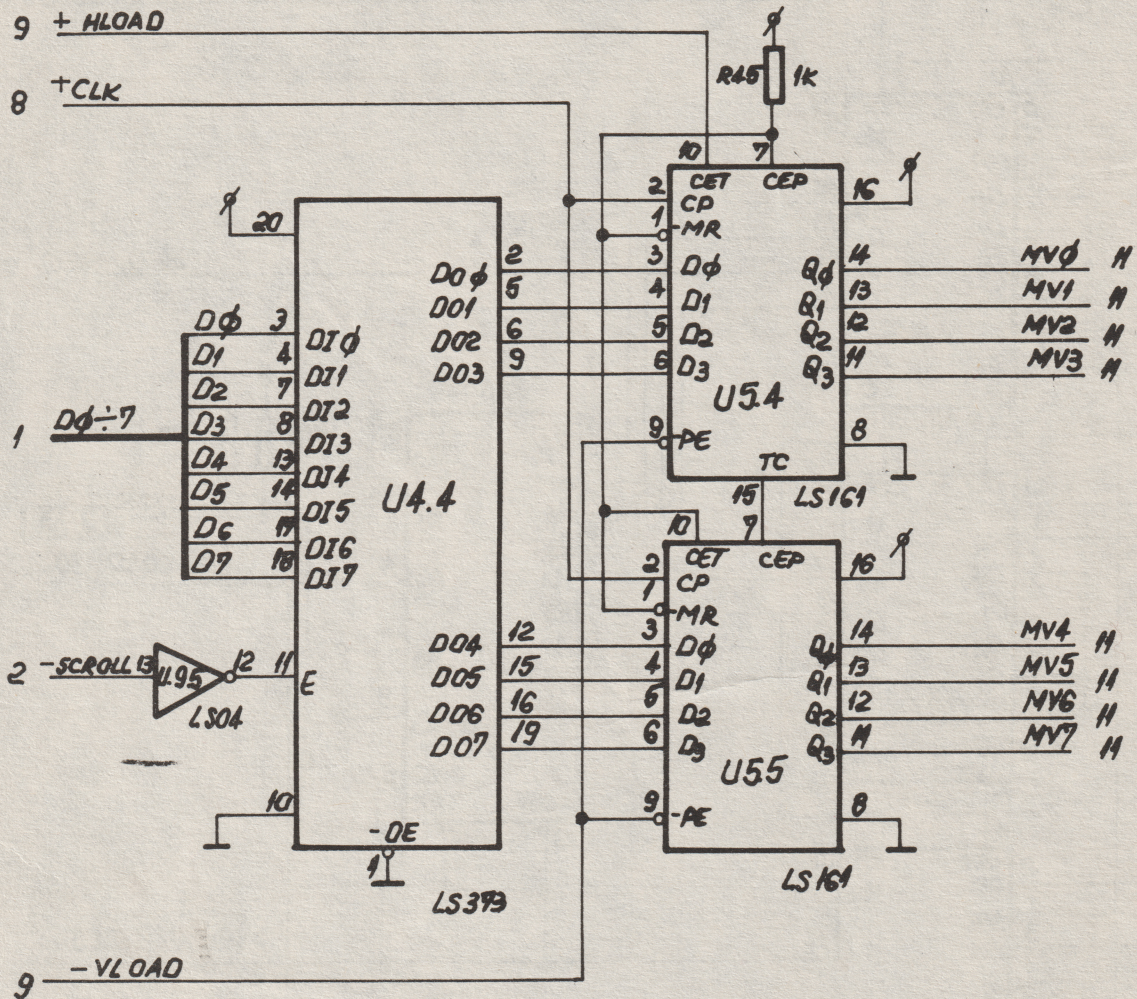
VDT 52-S MAIN BOARD		URC 85.01
Rev	HORIZONTAL SYNC	
		Sheet 8 of 16

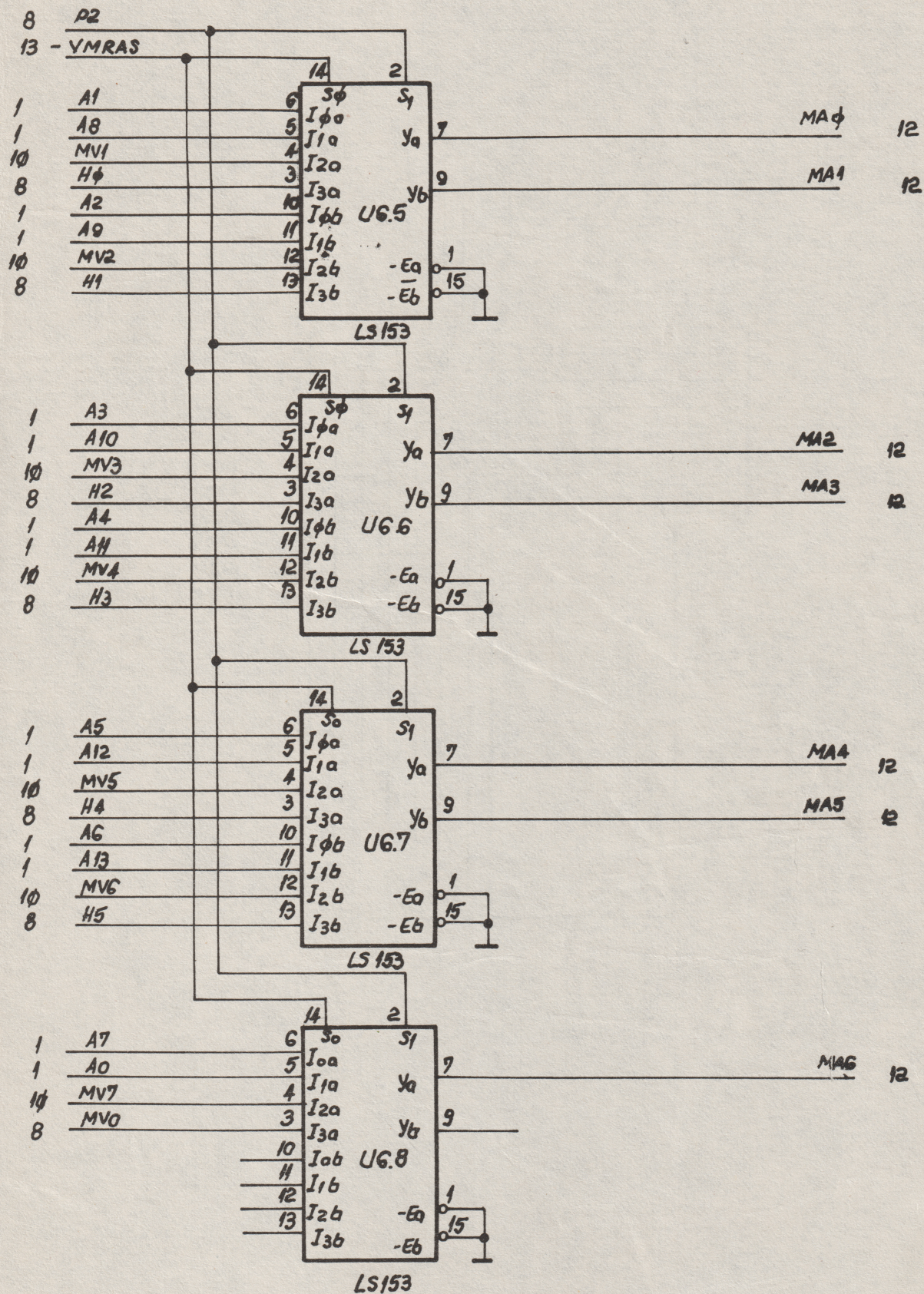


VDT 52-S MAIN BOARD		URC 85.01
Rev	VERTICAL SYNC	
		Sheet 9 of 16

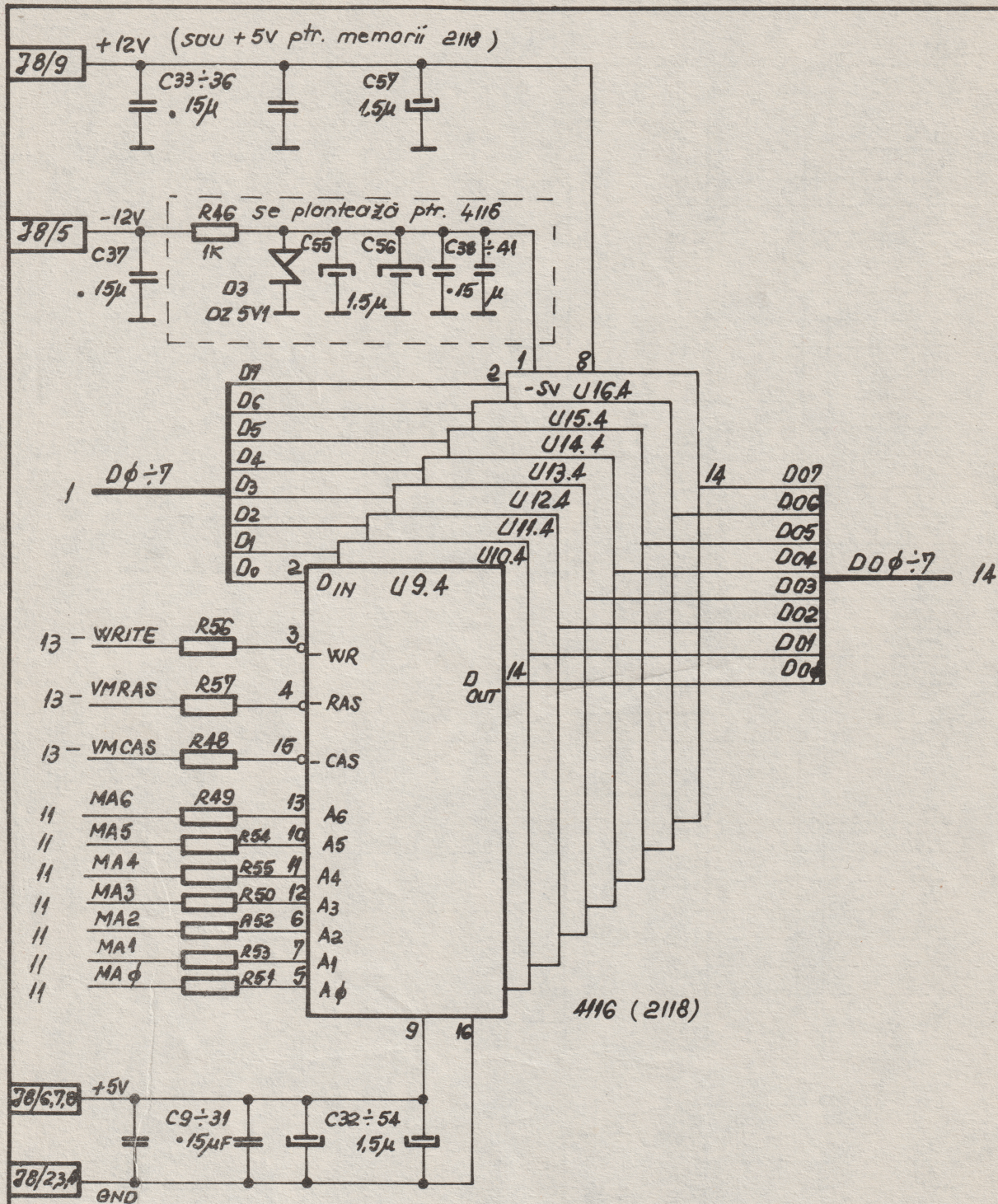
9 + HLOAD

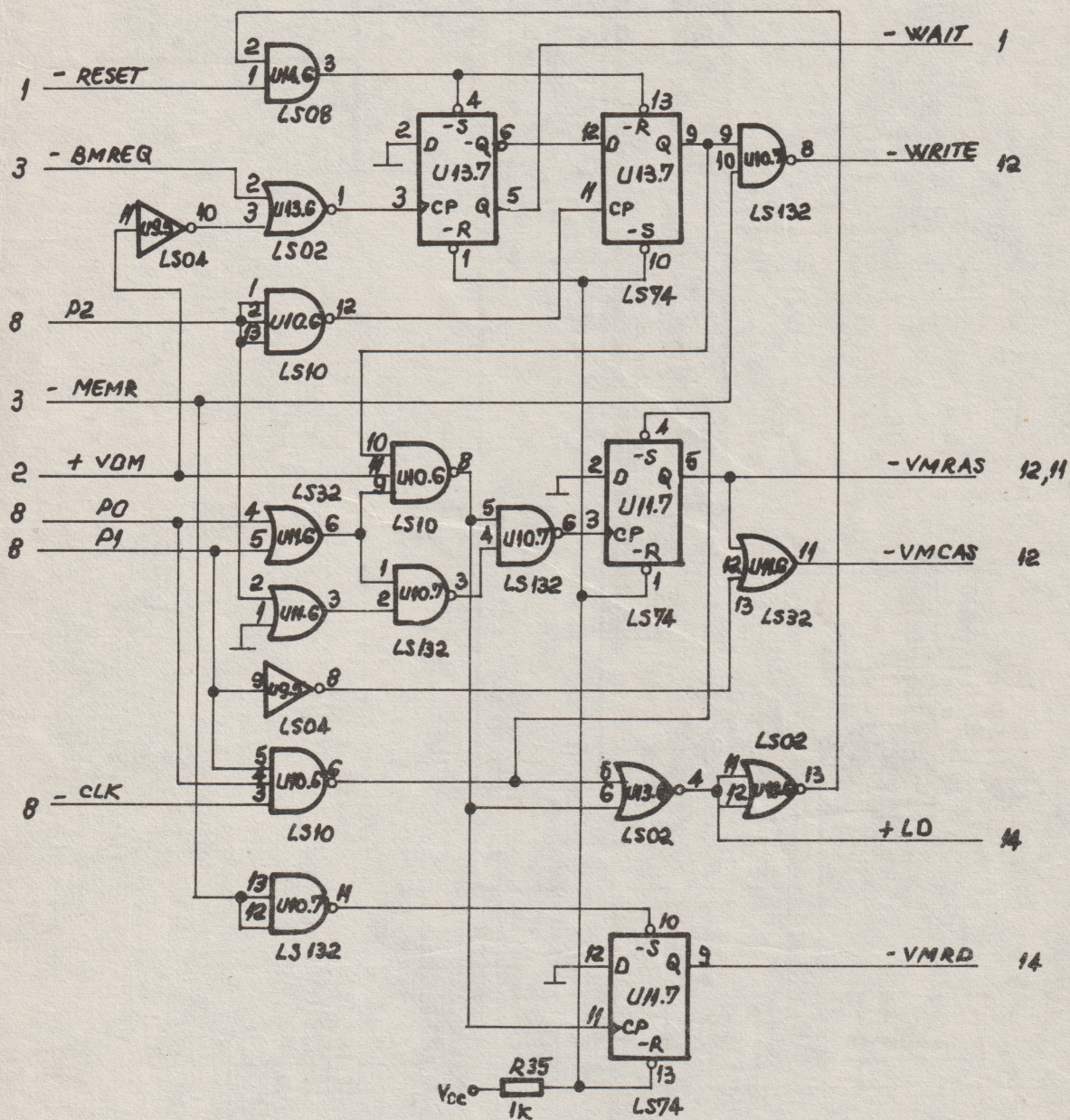
8 +CLK





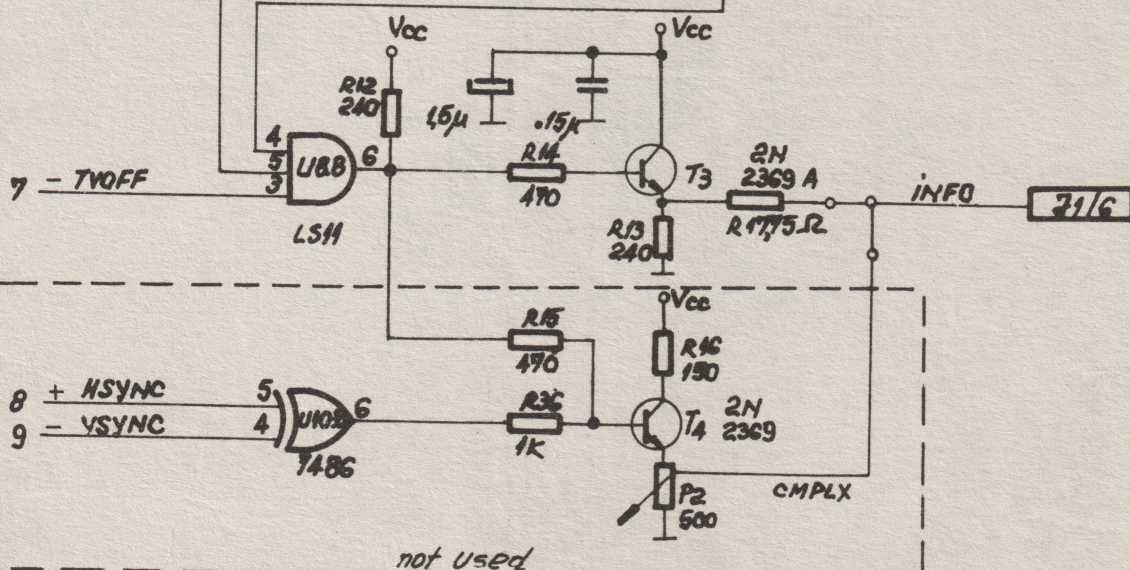
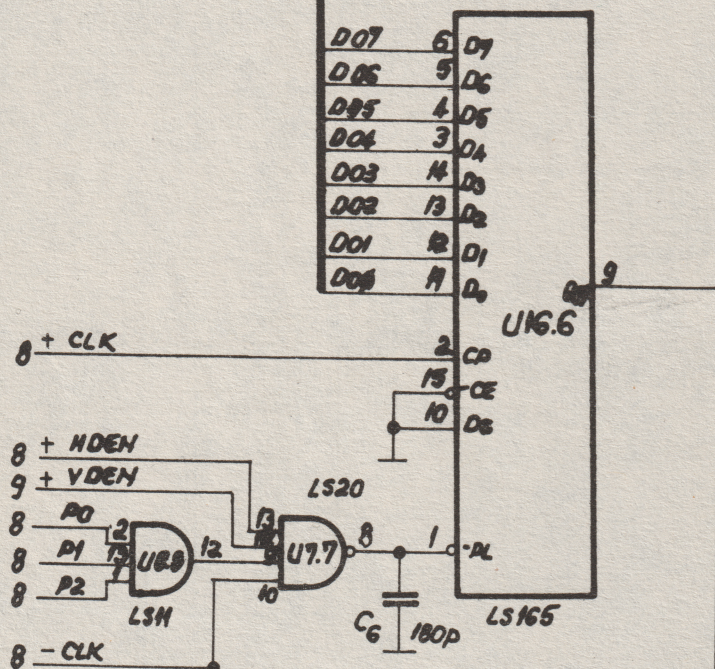
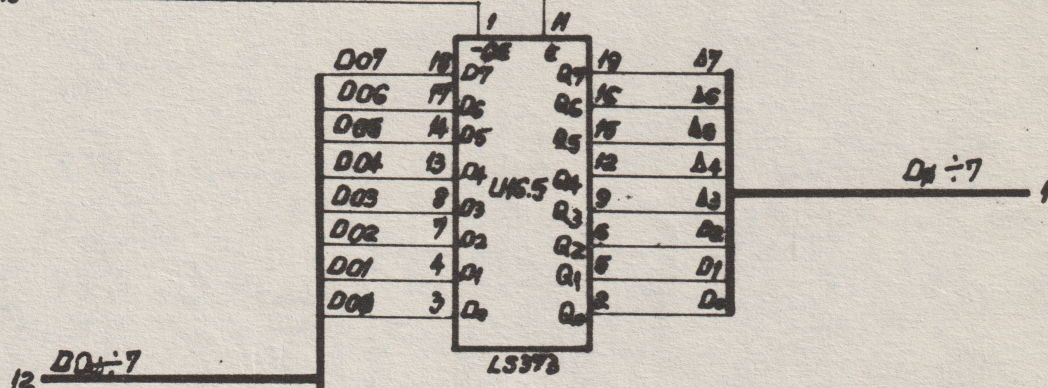
VDT 52-S MAIN BOARD			URC: 85.01
	Rev.	VIDEO RAM MUX	
			Sheet 11 of 16





VDT 52-S MAIN BOARD		URC 85.01
Rev.	VIDEO CONTROL	
		Sheet 13 of 16

13 +LD
13 -VMRD

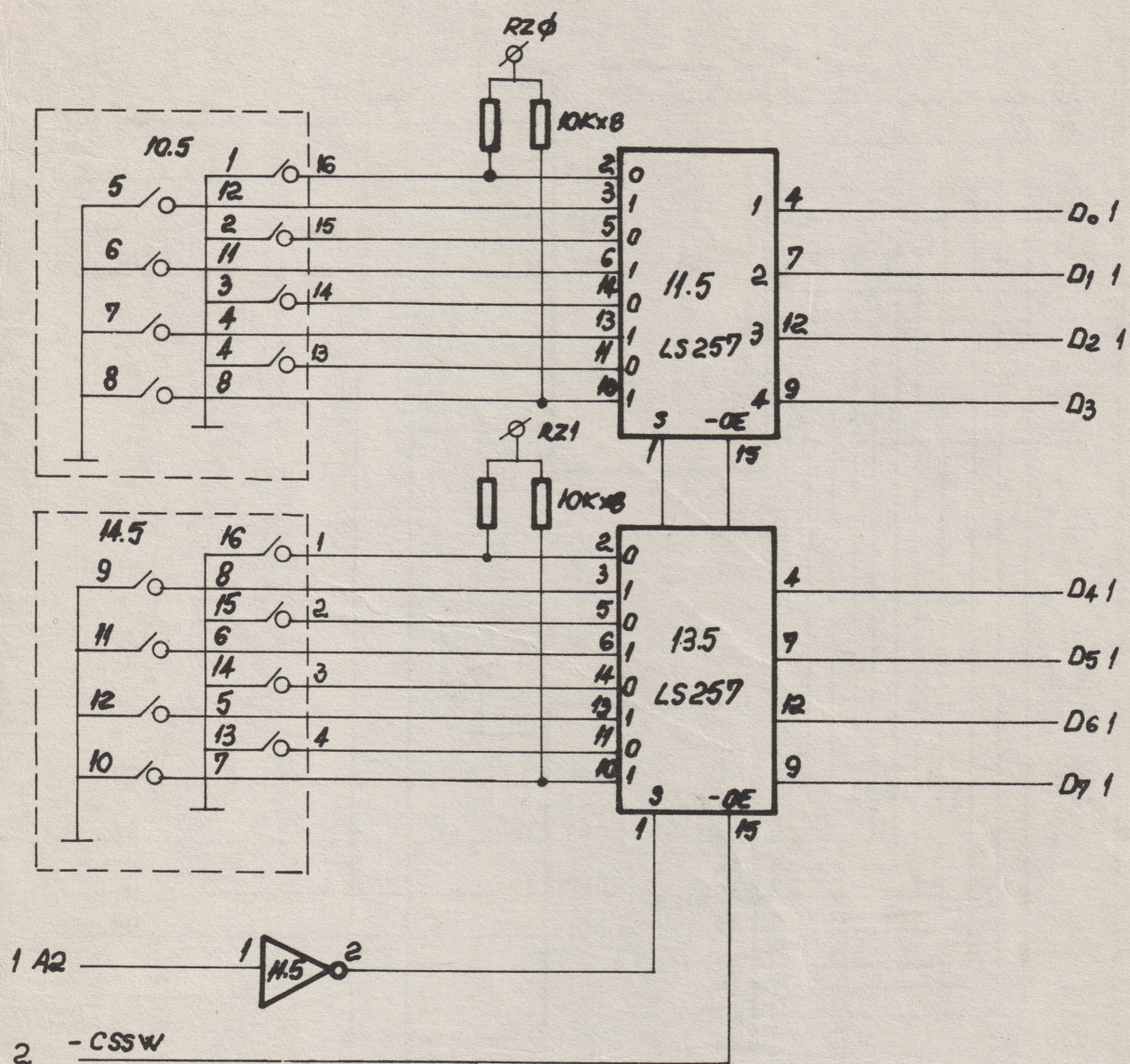


VDT 52-S MAIN BOARD

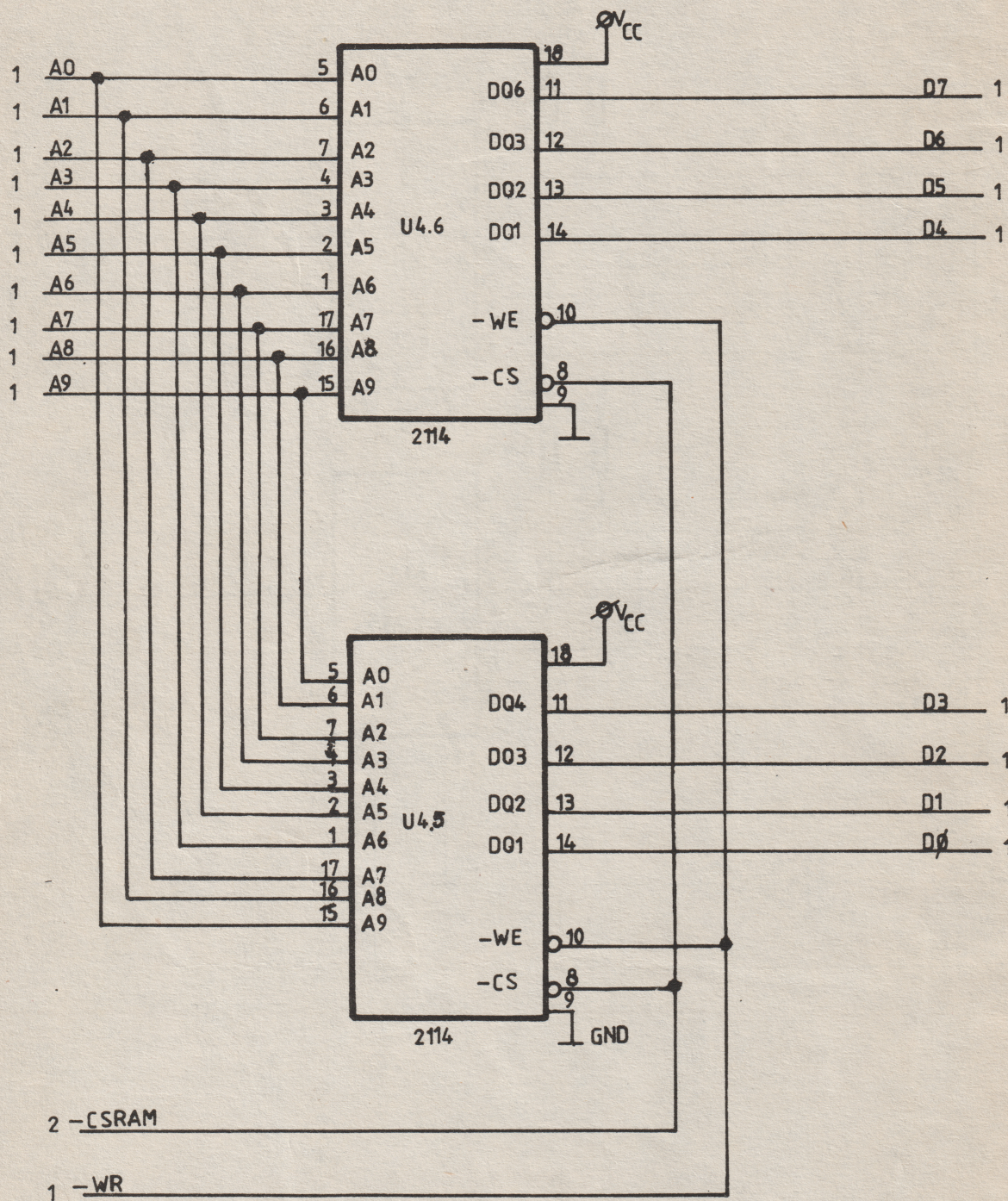
URC 85.01

Rev. TV DRIVER

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VDT 52-S		URC 85.01
Rev.	SWITCHES	
		Sheet 15 of 16



VDT 52-S

Rev.

STATIC RAM

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